

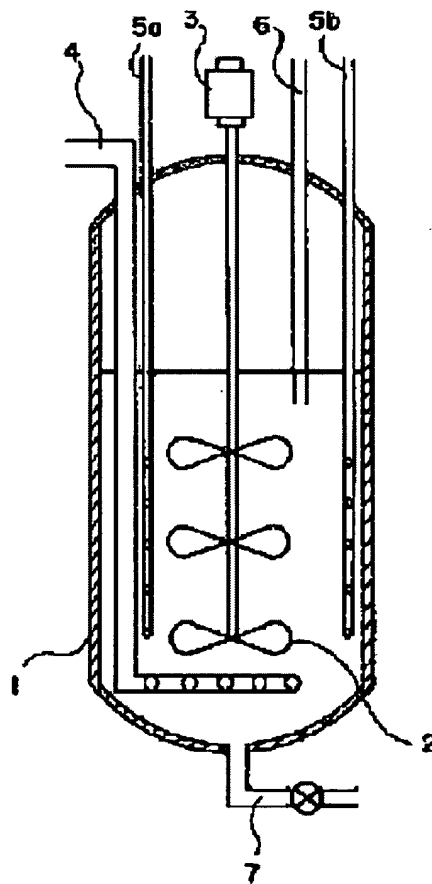
PREPARATION OF ALPHA-OLEFIN OLIGOMER

Patent number: JP11060626
Publication date: 1999-03-02
Inventor: ARAKI YOSHITAKE; NAKAMURA HIROFUMI
Applicant: MITSUBISHI CHEM CORP
Classification:
- international: C08F4/69; C07C2/06; C07C11/107; C08F10/00;
C08F10/14; C10G50/00
- european:
Application number: JP19970229206 19970826
Priority number(s):

Abstract of JP11060626

PROBLEM TO BE SOLVED: To provide a process for preparing an α -olefin oligomer which can produce an α -olefin oligomer in a high yield with high selectivity while maintaining high catalytic activity by feeding an α -olefin, a solvent, and a chromium-based catalyst into a reaction zone, a catalyst component having a specified concn. being continuously fed into the reaction zone through a catalyst feed nozzle having a plurality of blowing nozzles.

SOLUTION: A predetermined amt. of a reaction solvent or a reaction product is introduced into a reactor 1. An α -olefin is fed through a feed nozzle 4 under predetermined temp. and pressure conditions under agitation by means of an agitator 2, while a chromium-based catalyst is continuously fed through catalyst feed nozzles 5a, 5b in such a state that the chromium-based catalyst has been diluted with a reaction solvent to a concn. of not more than 1 mol/liter, pref. 0.0001 to 0.5 mol/liter, thereby permitting an oligomerization reaction of the α -olefin to proceed under a pressure of 3 to 250 kg/cm², pref. 5 to 100 kg/cm², at a temp. of 30 to 250 deg.C, pref. 50 to 150 deg.C for 10 min to 10 hr, pref. 0.5 to 6 hr while forming a catalytically active component in the reaction zone.



Data supplied from the esp@cenet database - Patent Abstracts of Japan